SILENTFLEX
vibration control

ISO 9001
BUREAU VERITAS
Certification

Silentflex SP52-497



15 - 20 Hz
Natural frequency

2.5 - 4.5 kg
Static load

- 70°C + 300°C
Operating temperature

Components

- **Shock absorber** - metallic cushion in AISI 304 stainless steel wire mesh
- **Axis, central plate and retainers** - aluminum 6082-T6





Description

This **compact and lightweight** vibration mount combines high-performance damping with minimal added mass. It features a stainless steel wire mesh cushion enclosed between precision-machined aluminum retainers.

Designed for **demanding environments**, it delivers effective shock and vibration isolation under dynamic loads. The AISI 304 stainless steel mesh offers high **durability, temperature resistance, and long service life.**

Application

Used for damping **electronic and navigation equipment** (modules), control panels, instrument boards, targeting systems, etc., in **jet aircraft, helicopters, ground vehicles, and railway transport.**

- Aircraft and helicopters
- Ground vehicles
- Railway transport

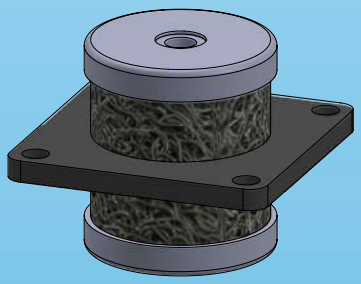
Specifications

They are resistant to chemicals, corrosion, extreme temperatures, sunlight and fire. Perfectly suitable for outdoor use.

This lightweight dampers weigh about 50 grams.

They maintain a low amplification factor at resonance (≤ 3), providing effective vibration isolation.

The dampers allow for a maximum dynamic displacement of ±0.5 mm.

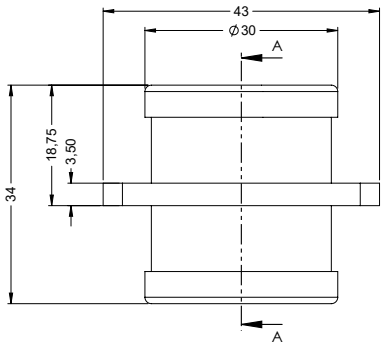


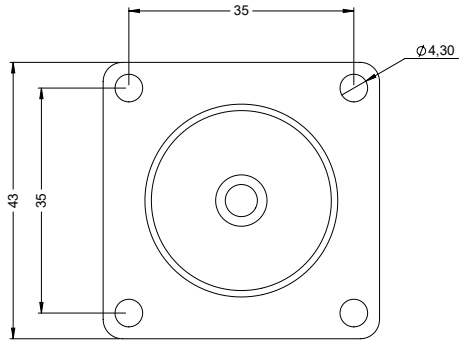
Static load:
2.5 - 4.5 kg

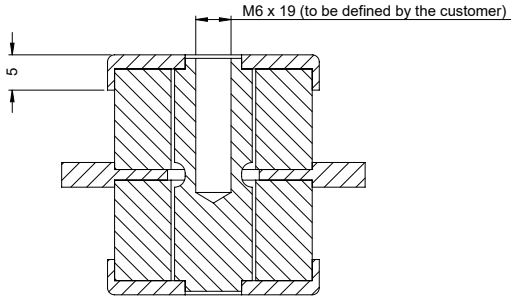
Natural frequency:
15 - 20 Hz

Operating temperature:
from -70 to +300 °C

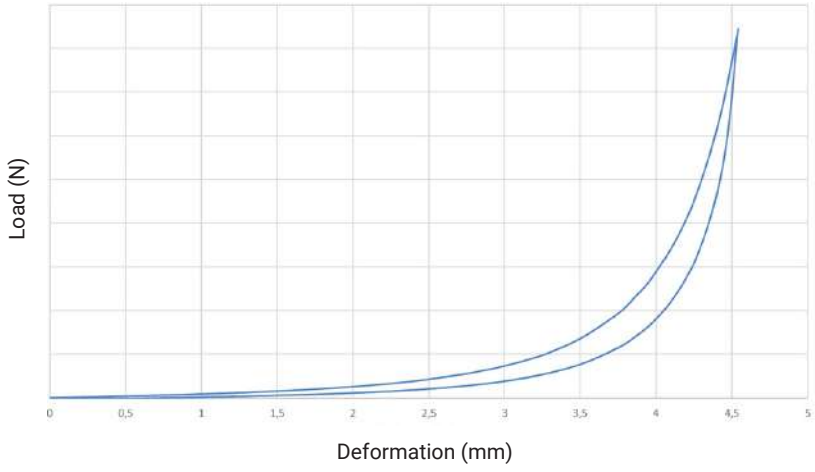
Dimensions







Laboratory research



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Tejasa TC LLC / Silentflex®

Leading Spanish manufacturer and supplier of noise and vibration isolators, anti-vibration mounts and dampers with more than 30 years of experience in vibration control.

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